

Attorney Docket No.: **PENN-0583**
Inventors: **Lee and Doms**
Serial No.: **09/297,877**
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A² the supernatants were used in a second round of immunoprecipitation with fresh protein A-SEPHAROSE and a different primary antibody.

Please insert the following paragraph at page 1, line 1 of the specification as filed:

A³ --This application is the U.S. National Phase and claims the benefit of priority of PCT/US97/20212, filed April 13, 1997, which claims the benefit of priority of U.S. provisional applications Serial Nos. 60/030,967, filed November 15, 1996, and 60/055,299, filed August 8, 1997, both now abandoned.--

In the Claims:

Please cancel claims 1 and 3 without prejudice.

Please amend claim 2 as follows:

A⁴ 2. (amended) A method of diagnosing Alzheimer's disease in a patient comprising detecting in the patient an increased processing of amyloid precursor protein in neuronal cells isolated from said patient wherein the increased processing of amyloid precursor protein into amyloid β peptides is detected as an increase in the level of amyloid- β_{42} in said neuronal cells, and said increase in amyloid processing is indicative of the pathogenesis of Alzheimer's disease.